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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/886,427	06/20/2001	Charles P. Norman	SIRF-57565	7630

24201 7590 12/16/2004

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EXAMINER

LOUIS JACQUES, JACQUES H

ART UNIT	PAPER NUMBER
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3661

DATE MAILED: 12/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/886,427

Applicant(s)

NORMAN ET AL.

Examiner

Jacques H Louis-Jacques

Art Unit

3661

[Handwritten signature]

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Krasner [6,133,874].

Krasner discloses a method and apparatus for acquiring satellite positioning system signals. According to Krasner, an acquisition dwell on a plurality of cells within a time/frequency uncertainty range is performed to detect a set of cells having the largest correlation peaks; b an initial verification dwell on the set of acquired cells by comparing the peak of each cell to a threshold and retaining those cells having a peak at least as great as the threshold. According further to Krasner, there is provided performing an acquisition dwell on another plurality of cells within the time/frequency uncertainty range

Art Unit: 3661

to detect another set of cells having the largest correlation peaks; performing a subsequent verification dwell on the retained cells and an initial verification dwell on the set of detected cells by comparing the peak of each cell to the threshold and retaining those cells having a peak at least as great as the threshold. See figures 3, 4 and 9-10. See also description at columns 10-15. Krasner also discloses a system and method for tracking (i.e., monitoring) the location or position of an object using signals transmitted by GPS satellites.

3. Claims 1-12, 14-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Wallstedt et al [5,854,981].

Wallstedt et al discloses an adaptive neighbor cell list, an acquisition dwell on a plurality of cells within a time/frequency uncertainty range is performed to detect a set of cells having the largest correlation peaks (abstract) and an initial verification dwell on the set of acquired cells by comparing the peak of each cell to a threshold and retaining those cells having a peak at least as great as the threshold (abstract). Wallstedt et al further discloses performing an acquisition dwell on another plurality of cells within the time/frequency uncertainty range to detect another set of cells having the largest correlation peaks (figures 1-5) and performing a subsequent verification dwell on the retained cells and an initial verification dwell on the set of detected cells by comparing the peak of each cell to the threshold and retaining those cells having a peak at least as great as the threshold (figures 8-9). See also, columns 4, 9-10 and 12-13.

Art Unit: 3661

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 13 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wallstedt et al [5,854,981] in view of Krasner [6,133,874].

Wallstedt et al does not particularly teach tracking the location of an object using signals transmitted by GPS satellites in combination with the signal acquisition device. Krasner, on the other hand, discloses a method and apparatus for acquiring satellite positioning system (GPS) signals, wherein the location/position of an object is being tracked using signals transmitted by GPS signals. Thus, it would have been obvious to one skilled in the art at the time of the invention to combine the systems of Wallstedt et al and Krasner to track the position of the object because it would provide an accurate and efficient tracking system for monitoring the location of the object.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

4,484,356

Geesen et al

Nov. 1984

5,222,100

Lunquist et al

Jun. 1993

Art Unit: 3661

6,405,147

Fera

Jun. 2002

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacques H Louis-Jacques whose telephone number is 703-305-9757. The examiner can normally be reached on M-Th 6:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 703-305-8233. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jacques H Louis-Jacques
Primary Examiner
Art Unit 3661

/jlj

Jacques H. Louis-Jacques
JACQUES H. LOUIS-JACQUES
PRIMARY EXAMINER